

Celgard® 2500

PRODUCT INFORMATION

Name

Celgard® 2500

Description

25 µm Microporous Monolayer Membrane (PP)

Primary Application

High-Rate and Low Temperature Primary Lithium Batteries

Product Features

- 25 µm microporous monolayer membrane (PP)
- Excellent resistance to acids, bases & most chemicals
- Uniform pore structure with high chemical and thermal stability
- Low electrical impedance and high porosity provide high-rate capabilities
- Zero TD shrinkage reduces internal shorting and improves high temperature dimensional stability
- Oxidation resistance for excellent cycling and trickle charge performance



Technical Data (Typical Properties)

Basic Film Properties	Unit of Measure	Typical Value
Thickness	µm	25
Gurley (JIS)	Seconds	200
Porosity	%	55
PP Pore Size (Avg. Diameter)	µm	0.064
TD Shrinkage @ 90° C /1 Hour	%	0
MD Shrinkage @ 90° C /1 Hour	%	5
Puncture Strength	Grams	335
Tensile Strength, MD	Kg/cm ²	1055
Tensile Strength, TD	Kg/cm ²	135

Packaging

- This product can be ordered on 400m, 800m, 1000m, and 1600m length rolls.
- Standard metric slitting is available in a variety of widths ranging from 11.0 to 93.0 mm.
- Please contact your Celgard representative for more information on Metric slit widths greater than 93.0 mm, English slit widths, or non-standard core widths.



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WARRANTY: This product is to be used only by persons familiar with its use. It must be maintained within the stated limitations. The product is warranted to be free of any manufacturing defects. No other warranty is expressed or implied. Purchaser assumes all responsibility for the use and safety of this product. To the best of our knowledge, the information contained herein is accurate. However, neither CELGARD, LLC nor any of its affiliates assumes any liability whatsoever for the accuracy or completeness of this information. Final determination of the suitability of any material and whether there is any infringement of patents is the sole responsibility of the user.

Users of any substances should satisfy themselves by independent investigation that the material can be used safely. We may have described certain hazards, but we cannot guarantee that these are the only hazards that exist. Review the Product Safety Data Sheet for environmental, health and safety information related to this product.

CELGARD, LLC is committed to operating in a manner that meets or exceeds all environmental and customer standards, and maintains certifications under the ISO 9001:2000 Quality Management and ISO 14001 Environmental Management Systems. All CELGARD products are RoHS compliant.



CELGARD is a recognized leader in the development and production of specialty microporous membranes serving the high energy and other high performance markets. CELGARD and its sister company, Daramic, comprise the Energy Storage Division of Polypore, Inc. (NYSE: PPO), a global high filtration company specializing in microporous membranes.



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12/08 Literature Item #20004

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